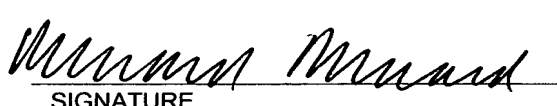


TRANSMITTAL LETTER TO THE UNITED STATES		ATTORNEY'S DOCKET NUMBER 38102-76017
DESIGNATED/ELECTED OFFICE (DO/EO/US)		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/509,529
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		
INTERNATIONAL APPLICATION NO. PCT/JP03/03868	INTERNATIONAL FILING DATE 27 March 2003 (27.03.03)	PRIORITY DATE 27 March 2002 (27.03.02)
TITLE OF INVENTION METHOD OF INDUCING GROWTH OF NERVE STEM CELLS		
APPLICANT(S) FOR DO/EO/US TODA, Masahiro; OKANO, Hideyuki; KAWAKAMI, Yutaka; TOYAMA, Yoshiaki; MIKAMI, Yuji; SAKAGUCHI, Masanori		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C.</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary ^{second} amendment.</p> <p>14. <input type="checkbox"/> An application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <p>a. Response to Notification of Missing Requirements c. Copy of Notification of Missing Requirements</p> <p>b. Statement Under 37 CFR 3.73(b) with Copy of Assignment</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 10/509,529)		INTERNATIONAL APPLICATION NO. PCT/JP03/03868		ATTORNEY'S DOCKET NUMBER 38102-76017	
21. The following fees are submitted:				Applicant use	Office use only
<input type="checkbox"/> a) Basic national fee \$300.00				\$	\$0.00
<input type="checkbox"/> b) Examination fee \$200.00				\$	\$0.00
<input type="checkbox"/> c) Search fee \$500.00				\$	\$0.00
TOTAL OF ABOVE CALCULATIONS = \$1000.00				\$	\$0.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)		RATE	
- 100 =	/50 =			x \$250.00	\$ \$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				RAID	
				\$	24.09.04
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =	0	x \$50.00	\$	\$0.00
Independent claims	- 3 =	0	x \$200.00	\$	\$0.00
Multiple Dependent Claims (if applicable) <input type="checkbox"/>				+ \$360.00	\$
TOTAL OF ABOVE CALCULATIONS =				\$	\$0.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	\$0.00
SUBTOTAL =				\$	\$0.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
TOTAL NATIONAL FEE =				\$	\$0.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per				+	\$
TOTAL FEES ENCLOSED =				\$	\$0.00
Amount to be refunded:					\$
Amount to be charged:					\$
<p>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 10-0435. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
ADDISON, Bradford G. BARNES & THORNBURG 11 South Meridian Street Indianapolis, IN 46204 US					
 SIGNATURE					
Richard D. Conard, Dated 14 June 2005 NAME					
Customer No. 23643					
27321 REGISTRATION NUMBER					

IN THE UNITED STATES PATENT OFFICE

<i>Earliest Priority Date:</i>	27 March 2002 (27.03.02)	}
<i>International Serial No.:</i>	PCT/JP03/03868	}
<i>U.S. Serial No.:</i>	10/509,529	}
<i>Invention:</i>	METHOD OF INDUCING GROWTH OF NERVE STEM CELLS	}
<i>Applicant:</i>	TODA, Masahiro; OKANO, Hideyuki; KAWAKAMI, Yutaka; TOYAMA, Yoshiaki; MIKAMI, Yuji; SAKAGUCHI, Masanori	}
<i>International Filing Date:</i>	27 March 2003 (27.03.03)	}
<i>Attorney Docket:</i>	38102-76017	}

CERTIFICATE UNDER 37 C.F.R. § 1.10

MAIL STOP PCT
Attention: DO/EO/US
Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir:

Express Mail" Mailing Label No.: EV417055565US

Date of Deposit: 14 June 2005 (14.06.05)

I hereby certify that this paper or fee is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450.


Mary Jean Eskridge

Rec'd PCT 14 JUN 2005

11 South Meridian Street
Indianapolis, Indiana 46204
(317) 236-1313
(317) 231-7433 Fax

#7

IN THE UNITED STATES PATENT OFFICE

Earliest Priority Date: 27 March 2002 (27.03.02)

International Serial No.: PCT/JP03/03868

U.S. Serial No.: 10/509,529

Invention: METHOD OF INDUCING
GROWTH OF NERVE STEM
CELLS

Applicant: TODA, Masahiro; OKANO,
Hideyuki; KAWAKAMI, Yutaka;
TOYAMA, Yoshiaki; MIKAMI, Yuji;
SAKAGUCHI, Masanori

International Filing Date: 27 March 2003 (27.03.03)

Attorney Docket: 38102-76017

Certificate Under 37 CFR 1.10

Express Mail No.: EV417055565US

Date of Mailing: 14 June 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service's "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Signature)

Mary Jean Eskridge

(Typed or Printed Name of Person Mailing Paper or Fee)

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C. 371 IN THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)**

Attn: DO/EO/US--Barbara A. Campbell
Mail Stop: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) mailed 14 April 2005 (14.04.05), applicants submit herewith:

1. a Declaration for Utility or Design Patent Application (37 CFR 1.63) signed, dated, and completed by each inventor;
2. a Power of Attorney to Prosecute Applications Before the USPTO;
3. a Statement Under 37 CFR 3.73(b) with a copy of the Assignment attached for 37 CFR 3.73(b) purposes from the inventors to the assignee, INSTITUTE OF GENE AND BRAIN SCIENCE;
4. copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US).

Applicants also state that **there is no Sequence Listing in the application.** Therefore, applicants cannot provide any of the items set forth in the Notification of Missing Requirements that comprise sequence listings.

The surcharge fee of \$65.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date was paid on 24 September 2004 (24.09.04) with the lodging of the national papers.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 10-0435, referencing attorney docket no. 38102-76017. A duplicate of this Response is enclosed.

Respectfully submitted,



Richard D. CONARD
Attorney. Reg. No. 27321

Attachments: 4 (as Set Forth Above)

RDC/mje/734981v1
Indianapolis, Indiana 46204
(317) 231-7285

Rec'd PTO 14 JUN 2005



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/509,529

FIRST NAMED APPLICANT

Masahiro Toda

ATTY. DOCKET NO.

38102-76017

INTERNATIONAL APPLICATION NO.

PCT/JP03/03868

I.A. FILING DATE

03/27/2003

PRIORITY DATE

03/27/2002

23643

BARNES & THORNBURG
11 SOUTH MERIDIAN
INDIANAPOLIS, IN 46204

RECEIVED

APR 20 2005

BARNES & THORNBURG LLP

CONFIRMATION NO. 2773

371 FORMALITIES LETTER

OC000000015697000

OC000000015697000

Date Mailed: 04/14/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/24/2004
- English Translation of the IA filed on 09/24/2004
- Copy of the International Search Report filed on 09/24/2004
- Preliminary Amendments filed on 09/24/2004
- Oath or Declaration filed on 09/24/2004
- Small Entity Statement filed on 09/24/2004
- U.S. Basic National Fees filed on 09/24/2004
- Priority Documents filed on 09/24/2004
- Power of Attorney filed on 09/24/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer

readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/509,529	PCT/JP03/03868	38102-76017